COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

joint inventor (if plural on the invention entitle	OR DEVICE AND MET	subject matter which i	s claimed and for wh	ich a patent is sought	
į j was desc	ed hereto. d on as Applic cribed and claimed in PCT Int	emational Application	No	filed	
I hereby state including the claims, as	that I have reviewed and under a samended by any amendment	rstand the contents of referred to above.	the above-identified	specification.	
I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations. §1.56.					
I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:					
U.S. Ser	rial No.	Filing Date	Statu	<u>s</u>	
below and, insofar as the States application in the the duty to disclose all	the benefit under Title 35. Under subject matter of each of the manner provided by the first information I know to be matchich became available between of this application:	e claims of this application paragraph of Title 35, erial to patentability as	ation is not disclosed United States Code, defined in Title 37,	I in the prior United §112. I acknowledge Code of Federal	
U.S. Ser	ial No.	iling Date	Status	5	
I hereby claim foreign priority benefits under Title 35, United States Code. §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:					
Country	Application No.	Filing D		Priority Claimed	
Japan	2000-234913	August 2, 2000		X] Yes [] No	

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

John F. Hayden, Reg. No. 37,640; Scott C. Harris, Reg. No. 32,030; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; William E. Booth, Reg. No. 28,933; Ruffin B. Cordell, Reg. No. 33,487; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; Ralph A.

Combined Declaration and Power of Attorney

Page 2 of 4 Pages

Mittelberger, Reg. No. 33.195: John B. Pegram, Reg. No. 25,198; Rene D. Tegtmeyer. Reg. No. 33.567: Charles C. Winchester, Reg. No. 21,040; William D. Hare, Reg. No. 44,739; James E. Mrose, Reg. No. 33.264; Lauren A. Degnan, Reg. No. 40,584; Andrew F. Bodendorf, Reg. No. 39,537; Robert V. Racunas, Jr., Reg. No. 43,027; Diana DiBerardino, Reg. No. 45,653; W. Karl Renner, Reg. No. 41,265; Joseph F. Key, Reg. No. 44,827; Harold H. Fox, Reg. No. 41,498; Scott R. Boalick, Reg. No. 42,337; Joseph V. Colaianni, Jr., Reg. No. 39,948; Gregory A. Walters, Reg. No. 41,366; R. Whitney Winston, Reg. No. 44,432; Bing Ai, Reg. No. 43,312; N. Thane Bauz, Reg. No. 41,604; Robert Bedgood, Ph.D., Reg. No.43,488; Gregory P. Einhorn, Reg. No. 38,440; Diane L. Gardner, Reg. No. 36,518; James T. Hagler, Reg. No. 40,631; Kenyon S. Jenckes, Reg. No. 41,873; Samuel S. Lee, Reg. No. 42,791; Christopher S. Marchese, Reg. No. 37,177; Todd G. Miller, Reg. No. 42,003; Shekhar Vyas, Reg. No. 46,166; and John R. Wetherell, Jr., Ph.D., Reg. No. 31,678.

Address all telephone calls to John F. Hayden at telephone number (202) 783-5070.

Address all correspondence to John F. Hayden at:

FISH & RICHARDSON P.C. 601 Thirteenth St., N.W. Washington, DC 20005

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Taketomi ASAMI Tove Terri Accidit Kanagawa, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan	_ Date:	<u>07/16/200</u>
Full Name of Inventor: Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Mitsuhiro ICHIJO Mitsuhiro ICHIJO Kanagawa, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd. 398, Hase. Atsugi-shi, Kanagawa-ken 243-0036 Japan	_ Date:	<u>07/16/200</u> 1
Full Name of Inventor: Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Satoshi TORIUMI Satoshi TORIUMI Kanagawa, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd.	_ Date:	07/18/2001

398, Hase. Atsugi-shi, Kanagawa-ken 243-0036 Japan

Combined Declaration and Power of Attorney Page 3 of 4 Pages

Full Name of Inventor:	Takashi OHTSUKI		
Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Kanagawa, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan	_ Date:	E7 //E / 2001
Full Name of Inventor: Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Toru MITSUKI Kanagawa, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan	_ Date:	07/16/2001
Full Name of Inventor: Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Kenji KASAHARA Kenji Kasa ha ra Kanagawa, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan	_ Date:	27/16/2001
Full Name of Inventor: Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Tamae TAKANO Tamae Takano Kanagawa, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan	Date:	07/16/2001
Full Name of Inventor: Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Chiho KOKUBO Chiho Kokubo Kanagawa, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan	Date:	07/16/200/
Full Name of Inventor: Inventor's Signature: Residence Address: Citizenship: Post Office Address:	Shunpei YAMAZAKI Tokyo, Japan Japanese C/O Semiconductor Energy Laboratory Co., Ltd. 398. Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan	Date:	09/20/2007

Combined Declaration and Power of Attorney

Page 4 of 4 Pages

Full Name of Inventor: Takeshi SHICHI

Takeshi SHICHI Kanagawa, Japan Japanese Date: <u>07/17/200</u> [Inventor's Signature:

Residence Address:

Citizenship:

Post Office Address: C/O Semiconductor Energy Laboratory Co., Ltd.

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan



CORRECTED FH NOTICE

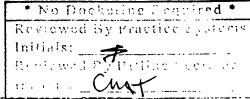
UNITED STATES PATENT AND TRADEMARK OFFICE 12732 -06/00(

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 08, 2003

PTAS

FISH & RICHARDSON P.C. JOHN F. HAYDEN 601 13TH STREET, NW WASHINGTON, DC 20005



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RECORDATION DATE: 11/15/2001

REEL/FRAME: 012308/0802

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ASAMI, TAKETOMI

DOC DATE: 07/16/2001

ASSIGNOR:

ICHIJO, MITSUHIRO

DOC DATE: 07/16/2001

ASSIGNOR:

TORIUMI, SATOHSI

DOC DATE: 07/18/2001

ASSIGNOR:

OHTSUKI, TAKASHI

DOC DATE: 07/16/2001

ASSIGNOR:

MITSUKI, TORU

DOC DATE: 07/16/2001

ASSIGNOR:

KASAHARA, KENJI

DOC DATE: 07/16/2001

012308/0802 PAGE 2

ASSIGNOR:

•..

TAKANO, TAMAE DOC DATE: 07/16/2001

ASSIGNOR:

KOKUBO, CHIHO DOC DATE: 07/16/2001

ASSIGNOR:

YAMAZAKI, SHUNPEI DOC DATE: 07/21/2001

ASSIGNOR:

SHICHI, TAKESHI DOC DATE: 07/17/2001

ASSIGNEE:

SEMICONDUCTOR ENERGY LABORATORY

CO., LTD.

398 HASE ATSUGI-SHI

KANAGAWA-KEN 243-0036, JAPAN

SERIAL NUMBER: 09918547 FILING DATE: 08/01/2001

PATENT NUMBER: ISSUE DATE:

DIANE RUSSELE, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

Attorney's Docket No.: 12732-061001 / US5111



pplicant: Taketomi ASAMI et al. Art Unit: 2822

Serial No.: 09/918,547 Examiner: Jeff B. Vockrodt

Filed: August 1, 2001 Confirmation No.: 3844

Title : SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE

SAME

Mail Stop Assignment Recordation Services Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

REQUEST TO CORRECT NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

Applicants request that the spelling of the Assignee's city be corrected (change "Atsughishi" to "Atsugi-shi") on the Notice of Recordation of Assignment Document for the above case. The mistake was made by the Patent Office as evidenced by the attached Assignment and Recordation Form Cover Sheet, copies of which are enclosed.

Please correct the address to read as follows:

Semiconductor Energy Laboratory Co., Ltd. 398 Hase <u>Atsugi</u>-shi Kanagawa-ken, 243-0036, JAPAN

No fee is believed to be due. Please apply any charges or credits to our Deposit Account No. 06-1050.

Respectfully submitted,

Date: December 2, 2003

John F. Hayden

Reg. No. 37,640

Customer No. 26171

Fish & Richardson P.C. 1425 K Street, N.W., 11th Floor Washington, DC 20005-3500 (202) 783-5070 telephone (202) 783-2331 facsimile

40190870.doc



COVER SHEET

Substitute Form PTO-1595 Attorney Docket No.: 12732-061001 Client's Ref. No.: US5111

Millissions for Facility Floores and address of Singuistics	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
. Name of conveying party(ies):	2. Name and address of receiving party(ies):
1) Taketomi Asami; 2) Mitsuhiro Ichijo; 3) Satoshi Toriumi; 4) Takashi Ohtsuki; 5) Toru Mitsuki; 6) Kenji Kasahara; 7) Tamae Takano; 8) Chiho Kokubo; 9) Shunpei Yamazaki; and 10) Takeshi Shichi	Semiconductor Energy Laboratory Co., Ltd. 398 Hase Atsugi-shi Kanagawa-ken 243-0036 JAPAN
Additional name(s) attached? ☐ Yes 图 No	\.\.\.\
3. Nature of conveyance:	W/10/01
☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other: Response to notice of non-recordation of document	
Execution Date: 1) July 16, 2001; 2) July 16, 2001; 3) July 18, 2001; 4) July 16, 2001; 5) July 16, 2001; 6) July 16, 2001; 7) July 16, 2001; 8) July 16, 2001; 9) July 21, 2001; and 10) July 17, 2001	Additional names/addresses attached? ☐ Yes 图 No
. Application number(s) or patent number(s):	
If this document is being filed with a new application, the execution 1) July 16, 2001; 2) July 16, 2001; 3) July 18, 2001; 4 7) July 16, 2001; 8) July 16, 2001; 9) July 20, 2001; a) July 16, 2001; 5) July 16, 2001; 6) July 16, 2001; 🐃 🦺
A. Patent Application No(s).:	B: Patent No(s).:
09/918,547	
Additional numbers at	tached? 🗆 Yes 🗵 No
. Name/address of party to whom correspondence concerning document should be mailed:	6. Total number of applications/patents involved: 1
JOHN F. HAYDEN	7. Total fee (37 CFR §3.41): \$40
Fish & Richardson P.C. 601 Thirteenth Street, NW Washington, DC 20005	☐ Enclosed ☐ Authorized to charge Deposit Account. ☑ Previously paid
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John F. Hayden Reg. No. 37,640	Hand November 15, 2001
lame of Person Signing Signature	November 15, 2001 Date
	The state of the s
Tota	al number of pages including coversheet, attachments and document: 3
	the second secon

ASSIGNMENT

For valuable consideration, We, Taketomi ASAMI of Atsugi, Kanagawa, Japan, Mitsuhiro ICHIJO of Atsugi, Kanagawa, Japan, Satoshi TORIUMI of Atsugi, Kanagawa, Japan, Takashi OHTSUKI of Atsugi, Kanagawa, Japan, Toru MITSUKI of Atsugi, Kanagawa, Japan, Kenji KASAHARA of Atsugi, Kanagawa, Japan. Tamae TAKANO of Atsugi, Kanagawa, Japan, Chiho KOKUBO of Atsugi, Kanagawa, Japan. Shunpei YAMAZAKI of Setagaya, Tokyo, Japan and Takeshi SHICHI of Atsugi, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

filed on _______, and assigned U.S. Serial Number _______, and we authorize and request the
attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and
serial number of said application when known; this assignment including said application, any and all United States
and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and
the right to claim priority based on the filing date of said application under the International Convention for the
Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other
treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for
patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said
inventions and improvements; and we agree for ourselves and our respective heirs. legal representatives and assigns,
without further compensation to perform such lawful acts and to sign such further applications, assignments.

Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this
assignment.

Signature: Toketomi Acciun

Name: <u>Taketomi ASAMI</u>

Date: 07/16/2001

Signature: Mitsuhino ICHITO

Name: Mitsuhiro ICHIJO

Date: 67/16/2001

Attorney's Docket No.: Client's Ref. No.:

Signature: Satoshi Toriumi Name: -Satoshi TORIUMI 07/18/2001 Date: Signature: Takashi Chtsuki Name: Takashi OHTSUKI Date: Toru Mitsuki Signature: Toru MITSUKI Name: 07/16/200 Date: Signature: Kenji Kasahara Name: Kenji KASAHARA Date: Tamae Takano Signature: Name: Tamae TAKANO 07/16/2001 Date: Signature: Chiho KOKUBO Name: Date: Signature: Shunpei YAMAZAK Name: Date: Signature: Name: Takeshi SHICHI /17/2001 Date:

ASSIGNMENT

For valuable consideration, We. Taketomi ASAMI of Atsugi. Kanagawa. Japan. Mitsuhiro ICHIJO of Atsugi, Kanagawa, Japan, Satoshi TORIUMI of Atsugi. Kanagawa, Japan. Takashi OHTSUKI of Atsugi. Kanagawa. Japan, Toru MITSUKI of Atsugi, Kanagawa. Japan. Kenji KASAHARA of Atsugi. Kanagawa. Japan. Tamae TAKANO of Atsugi, Kanagawa, Japan. Chiho KOKUBO of Atsugi. Kanagawa. Japan. Shunpei YAMAZAKI of Setagaya, Tokyo, Japan and Takeshi SHICHI of Atsugi. Kanagawa. Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME filed on _______, and assigned U.S. Serial Number _______, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments.

Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature: Taketown Acc

Name: <u>Taketomi ASAMI</u>

Date: 07/16/2001

Signature: Mitsuhim ICHITO

Name: <u>Mitsuhiro ICHIJO</u>

Date: 67/16/2001

Attorney's Docket No.: Client's Ref. No.:

Satoshi Toriumi Name: Satoshi TORIUMI Date: 07/18/2001 Signature: Takashi Chtsuhi Name: Takashi OHTSUKI 07/16/2001 Date: Signature: _ Name: Toru MITSUKI Date: Kenji Kasahara Signature: Name: Kenji KASAHARA 07/16/2001 Date: Signature: Tamae Takano Name: Tamae TAKANO 07/16/2001 Date: Signature: Chiho KOKUBO Name: Date: Name: Date: Takeshi SHICHI Signature: Name: Date: